

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	2
-------	---	----	---

~~DTIC PREC 1 PCTPTO 0 8 OCT 2004~~

Application Number	Not Yet Assigned
--------------------	------------------

Filing Date	October 8, 2004
-------------	-----------------

First Named Inventor	Thomas Ahmdt
----------------------	--------------

Art Unit	Not Yet Assigned
-----------------	-------------------------

Examiner Name	Not Yet Assigned
---------------	------------------

Attorney Docket Number | **2002P05753WOUS**

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

/Quoc Tran/

Date Considered

09/22/2007

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449/APTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

Application Number	Not Yet Assigned
Filing Date	October 8, 2004
First Named Inventor	Thomas Ahmdt
Group Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	2002P05753WOUS

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	5	W. KOZEK AND A.F. MOLISCH, "Nonorthogonal Pulse Shapes for Multicarrier Communications in Doubly Dispersive Channels", IEEE J. Select. Areas Comm., Vol. 16, No. 8, October 1998, Pages 1579-1589.	
	6	S.D. SANDBERG AND M.A. TZANNES, "Overlapped discrete multitone modulation for high speed copper wire", IEEE Journal Selected Areas of Communications, Vol. 10, No. 9, December 1993.	
	7	W. H. PRESS, B.P. BLANNERY, S.A. TEUKOLSKY, W.T. VETTERLING, "Numerical Recipes in C", Cambridge University Press, Cambridge, 1993 (BOOK).	
	8	A. WEIL, Basic Number Theory, Grundlehren der mathematischen Wissenschaften, Vol. 144, Springer 1985.	
/QT/	9	WILLIAM W. JONES AND KEITH R. JONES, "Sequence Time Domain Reflectometry (STDR) For Digital Subscriber Line Provisioning and Diagnostics", White Paper, Mindspeed Technologies TM, March 1, 2001, Pages 1-8, http://techlibrary.wallstreetandtech.com/data/list?t=soft_10_100_50_150_2_np_XP002203227 .	

Examiner Signature	/Quoc Tran/	Date Considered	09/22/2007
--------------------	-------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.